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**From:** CN=Phil North/OU=R10/O=USEPA/C=US [CN=Phil North/OU=R10/O=USEPA/C=US]  
**Sent:** 3/25/2010 10:56:00 PM  
**To:** [Nonresponsive Personal Email / Ex. 6]  
**Subject:** Bristol Bay Smolts

Hi Carol Ann,

I thought last night's forum was really good. I tried to keep my mouth closed but could not. I wonder why government employees feel a need to defend the process we are charged with implementing. Why not just describe its strengths and weaknesses? Meaningful public participation is not a strength of our decision making processes. Unless the commenting public is technically very savvy, which is usually not the case, the comments are not much use to the highly technical process. Why not say so and make expectations realistic? With you, Dave and others Pebble will be the exception to the public not being technically savvy.

Your number of 45 to 50 million smolts in Lake Iliamna surprised me a bit. I thought it would be a larger number. I have been exploring the importance of Bristol Bay outmigrants to marine ecosystems. I calculated an idealized estimate, based on 10% survival from egg to smolt, of 1.57 billion smolts produced from all Nushagak and Kvichak watersheds in 2008. Do you have any numbers for actual smolt outmigration from either of those watersheds. Or, better yet, from any of the various tribes?

Phil

Phillip North  
Environmental Protection Agency  
Kenai River Center  
514 Funny River Road  
Soldotna, Alaska 99669  
(907) 714-2483  
fax 260-5992  
north.phil@epa.gov

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